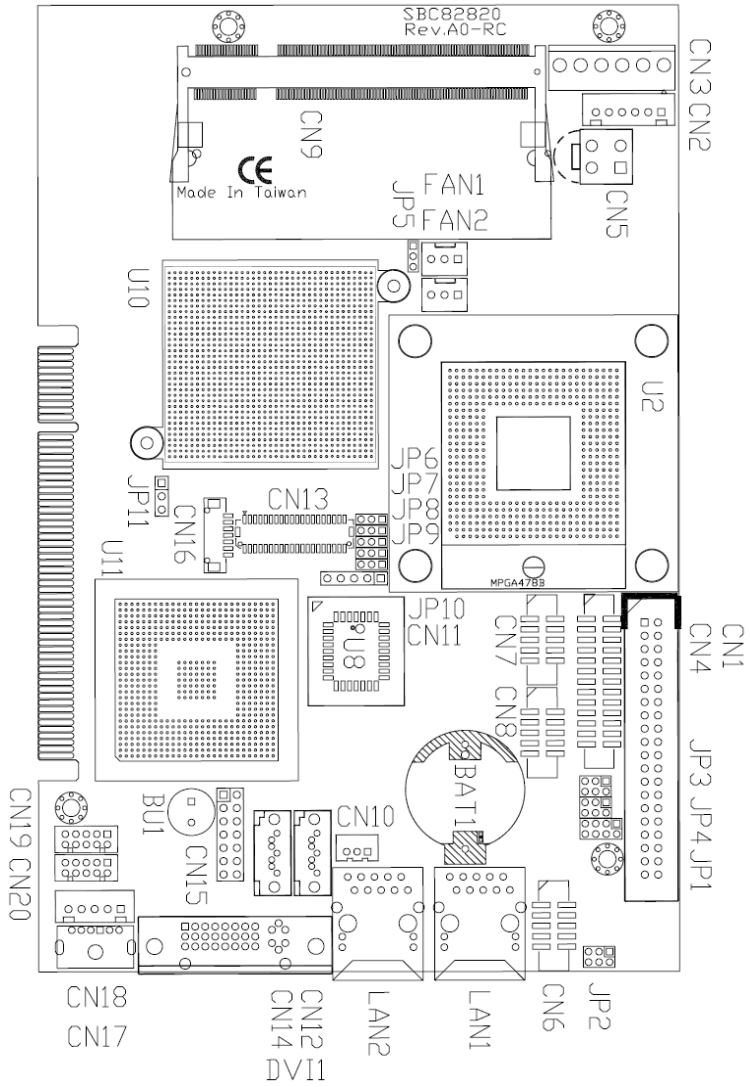
Please refer to the SBC82820 Series Product Information CD for the complete User's Manual, drivers and utilities.

## V. Board Layout




**Component Side**



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SBC82820 Series Quick Installation Guide

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## I. Checklist

- ✓ SBC82820 Board x 1
- ✓ Quick Installation Guide x 1
- ✓ Product Information CD-ROM x 1
- ✓ 2-pin jumper cap, Pitch=2.0mm x 10
- ✓ DVI to VGA converter
- ✓ COM + Printer extension cables with bracket, Pitch=2.0mm x 1
- ✓ Audio Cable x 1
- ✓ USB Cable x 1
- ✓ SATA x 1
- ✓ IDE Cable x 1

**Note:** If there are damaged or missing parts, contact your supplier and/or dealer immediately. Do not attempt to apply power to the board if there is damage to any of its components.

## II. Jumper Settings

**Before applying the power to SBC82820 Series, please make sure all jumper settings are defaulted as the following table:**

| Jumper | Default Setting | Jumper Setting |
|---|---|---|
| JP1 | COM2 Mode Select: RS-232 | Short 1-2 |
| JP2 | Audio Line Out/Speaker Out: Line Out | Short 1-3, 2-4 |
| JP3 | COM2 Mode Select: RS-232 | Short 3-5,4-6 |
| JP4 | COM2 Mode Select: RS-232 | Short 3-5,4-6 |
| JP5 | CPU Voltage Select : Dothan (1.5V)<br>**<Only Socket Version>** | Short 1-2 |
| JP6 | CPU Clock Select : Auto<br>**<Only Socket Version>** | Short 1-2 |
| JP7 | CPU Type Select : Dothan A | Short 1-2 |
| JP8 | Compact Flash Select : Slave | Short 1-2 |
| JP9 | Compact Flash Voltage Selection<br>Default: 5V | Short 2-3 |
| JP10 | Clear CMOS Setting: Normal | Short 1-2 |
| JP11 | Flat Panel Power Selection:<br>Default: 3.3V | Short 1-2 |

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## III. SBC80820 Connectors

| Connectors | Label |
|---|---|
| Primary IDE Connector | CN1 |
| ACPI Power Connector | CN2 |
| Power Connector | CN3 |
| Printer Port Connector(Default)/ FDD Connector (Optional) | CN4 |
| +12V Power Connector | CN5 |
| Audio Interface Connector | CN6 |
| Serial Port1 Connector | CN7 |
| Serial Port2 Connector | CN8 |
| DDRII SODIMM Socket (Reverse) | CN9 |
| I2C Connector | CN10 |
| IrDA Interface Connector | CN11 |
| Serial ATA1 Connector | CN12 |
| LVDS Connector | CN13 |
| Serial SATA2 Connector | CN14 |
| Flat Panel Bezel Connector | CN15 |
| Inverter Connector | CN16 |
| 6-Pin Mini Dim Keyboard/Mouse Connector | CN17 |
| External Keyboard Connector | CN18 |
| External USB1 Connector | CN19 |
| External USB2 Connector | CN20 |
| Compact Flash Connector | CNS1 |
| DDRII SODIMM Socket (Standard) | CNS2 |
| LAN1 Connector | LAN1 |
| LAN2 Connector | LAN2 |
| DVI Connector | DVI1 |
| FAN1Connector | FAN1 |
| FAN2 Connector | FAN2 |



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SBC82820 Series Quick Installation Guide

## IV. Additional Information

**User's Manual and other documents are in Acrobat PDF format. The Product Information CD contains the Adobe Acrobat 3.0 Reader installation software for user's convenience.**

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